

Air Resources Board Incentive Programs for Advanced Technologies

California Energy Commission
Integrated Energy Policy Report Workshop
April 23, 2014

California Environmental Protection Agency

Air Resources Board



ARB Incentives Portfolio

- Multiple programs
 - AB 118 Air Quality Improvement Program
 - Cap-and-Trade Auction Proceeds / Greenhouse Gas Reduction Fund (new)
 - Carl Moyer Program
 - Goods Movement Emission Reduction Program
- Multiple goals/priorities
 - Near-term reductions
 - Long-term reductions
 - Advanced technologies
 - Multiple pollutants
 - Disadvantaged communities

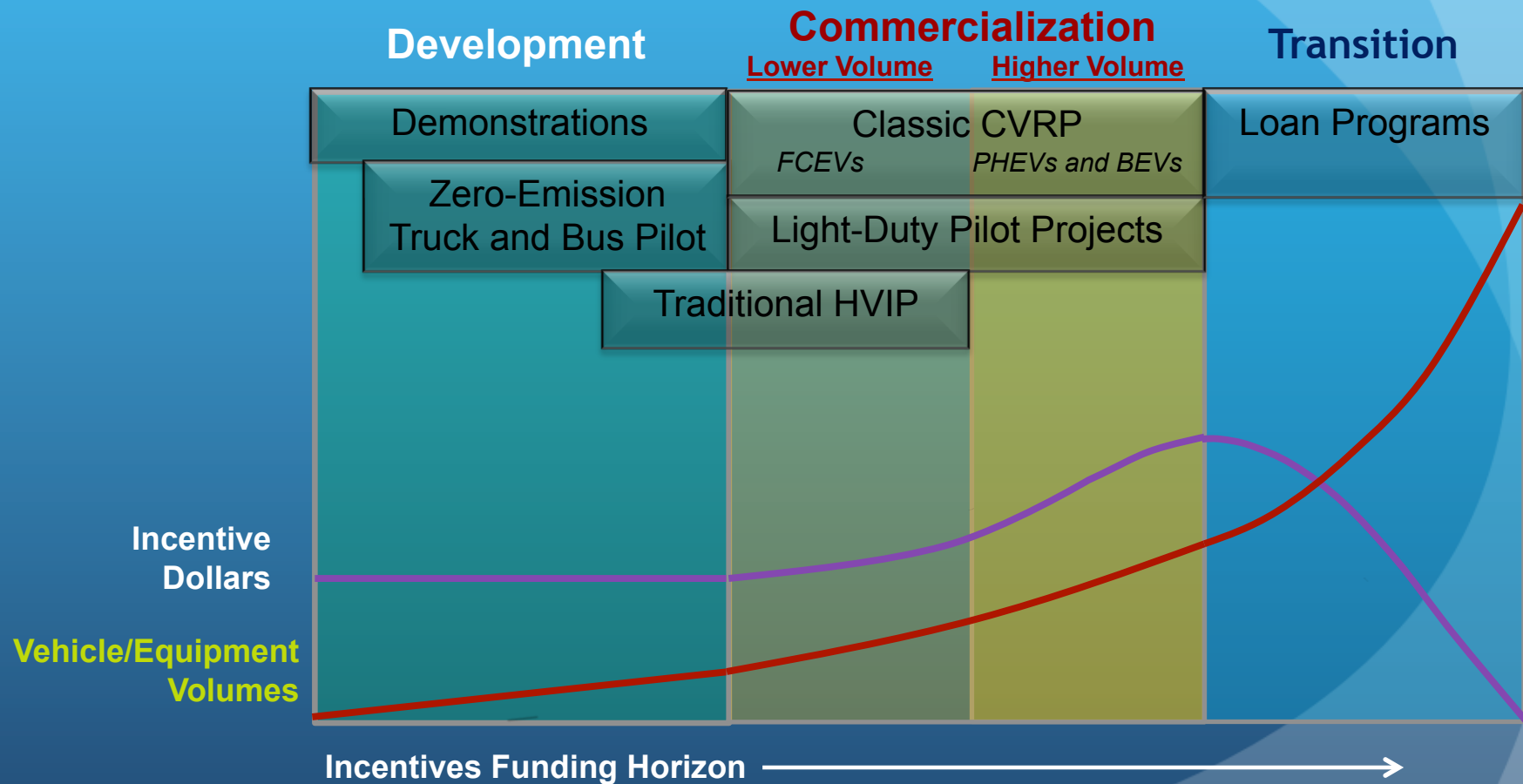
Air Quality Improvement (AQIP) Program

- ~\$25 million per year authorized by AB118 (2007) extended by AB8 (2013)
- Projects
 - Clean Vehicle Rebate Project (CVRP) for ZEV and plug-in hybrid passenger cars
 - Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)
 - Truck Loan Assistance Program
 - Advanced technology demonstration projects
- Complements Energy Commission's AB118 Program

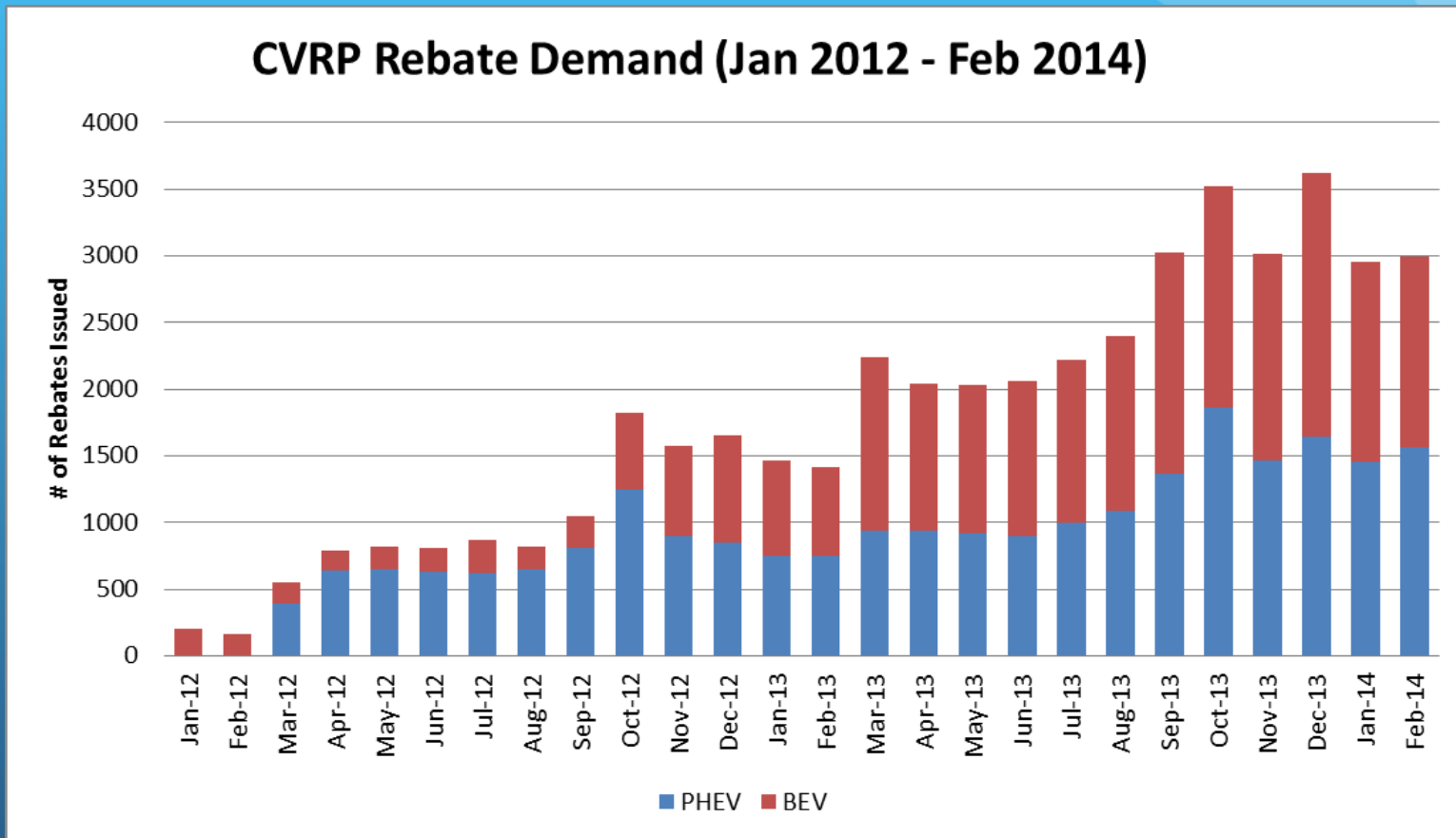
Cap and Trade Proceed Investments: Greenhouse Gas Reduction Fund (GGRF)

- Legislation establishes framework
 - Reduce greenhouse gas emissions
 - Benefits disadvantaged communities
 - Maximize economic, environmental, and public health benefits
- First three-year Investment Plan completed and submitted to Legislature in May 2013
- \$200 million for ARB for FY2014-15 for Low-Carbon Transportation
 - Expand ARB's successful AQIP projects
 - Focus on disadvantaged communities

Conceptual Evolution of the Role of Incentives



CVRP Rebate Demand



Nearly 60,000 rebates issued to since 2010 project launch

GGRF Proposed FY2014 ARB Investments

	AQIP Funding	GGRF Investments	
		Total	Proposed to Benefit Disadvantaged Communities
<i>Light-Duty Vehicle Projects -- \$125M</i>			
• Classic CVRP	\$5M	\$111M	10%=\$11M
• Pilot Projects	-	\$9M	100%=\$9M
<i>Heavy-Duty Vehicle and Equipment Projects -- \$95M</i>			
• Traditional HVIP	\$5M	\$5-\$10M	100%=\$10M
• Zero Emission Truck and Bus Pilot		\$20-\$25M	100% = \$20M
• Truck Loan Assistance Program	\$10M	-	-
• Advanced Technology Demonstrations (Freight)	-	\$50M	100%=\$50M
<i>Reserve for Revenue Uncertainty</i>	\$2M		
Total	\$22M	\$200M	50%=\$100M